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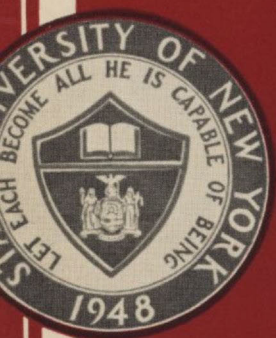
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1952

1952 Summer College Catalog

State University of New York College at Cortland

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Summer Session 1952

**STATE UNIVERSITY TEACHERS COLLEGE
at CORTLAND, NEW YORK**

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CALENDAR — SUMMER SESSION, 1952

June 30	Advisement and registration
July 1	Classes begin
July 4	No classes
August 9	Six-weeks session closes
August 11	Post sessions begin
August 23	Eight-weeks session closes
August 22	Two-weeks post sessions close
August 27	Post-session workshops close

STATE UNIVERSITY OF NEW YORK

**STATE TEACHERS COLLEGE
AT CORTLAND**

Summer Session Announcements

**Graduate and Undergraduate
Divisions**

1952

FACULTY

OFFICERS OF THE SUMMER SESSION

DONNAL V. SMITH, Ph.D., L.L.D.....	<i>President</i>
BEN A. SUELTZ, Ph.D.....	<i>Director of Summer Session and Chairman Graduate Division</i>
FOSTER S. BROWN, Ed.D.....	<i>Dean</i>
FRANCIS J. MOENCH, Ph.D.....	<i>Director of Training</i>
LUCILLE B. LEACH, Ph.D.....	<i>Dean of Women</i>
ALBERT W. BAISLER, Ph.D..	<i>Director of Personnel Services</i>
ROBERT HERTEL, M.A.....	<i>College Librarian</i>
ALICE GROOMBRIDGE, M.S....	<i>Assistant College Librarian</i>
KATHLEEN KAVANAUGH, A.B.,	<i>Assistant College Librarian</i>
GEORGINA CHILDS, B.S., R.N.....	<i>Nurse-Instructor</i>
BLANCHE BATES, A.M.	<i>Director of Placement</i>
BENJAMIN COMI, M.S.....	<i>Financial Secretary</i>
DAVID FANNING, B.S.....	<i>College Registrar</i>
MARY HARRINGTON	<i>Manager College Bookstore</i>
JAMES SAVAGE	<i>Custodian of Buildings and Grounds</i>
RUTH JENKS	<i>Manager of Cafeteria</i>

INSTRUCTIONAL STAFF

Art

MARY HARDING, A.M.	<i>Assistant Professor</i>
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Education

MAXWELL G. PARK, Ph.D.....	<i>Chairman</i>
LEO C. FAY, Ph.D.	<i>Professor</i>
ALBERT W. BAISLER, Ph.D.,	<i>Director of Student Personnel Service</i>
LOUISE ABERNETHY, Ed.D.....	<i>Assistant Professor</i>

FRANKLIN E. COOLIDGE, M.S.....*Assistant Professor*
LINDA SMITH, Ed.D.*Assistant Professor*
RALPH WALTER, Ed.D.,
Principal at New Rochelle, New York

English

WRIGHT THOMAS, Ph.D. *Chairman*
WILLIAM W. ADAMS, M.A. *Assistant Professor*
GEORGE E. KELLY, Ph.D. *Assistant Professor*
MARY NOBLE SMITH, A.M. *Instructor*
OLLA G. RICKETT, A.M. *Instructor*
VAN AKIN BURD, Ph.D. *Instructor*
WILLIAM E. HOTH, M.A. *Instructor*

Health

ROSS L. ALLEN, Dr. P.H. *Chairman*
 GEORGINA CHILDS, B.S., R.N. *Nurse-Instructor*
 CHARLES N. POSKANZER, M.P.H. *Instructor*
 JOHN P. MACNEIL, Ph.D.,
Principal at Mount Vernon, New York
 (plus one visiting staff member)

Music

ANDREW M. BANSE, Ed.D.....Chairman
CATHERINE ENGLISH, A.M.,
Instructor, State Teachers College, Oswego

Physical Education

DONOVAN C. MOFFETT, Ph.D.	<i>Professor</i>
HARLAN G. METCALF, Ph.D.	<i>Professor</i>
IVALCLARE HOWLAND, D. Ed.....	<i>Professor</i>
ROLAND J. ECKARD, A.M.	<i>Instructor</i>
(plus two visiting staff and special consultants)	

Science

ROSS E. BOWERS, Ph.D.....	<i>Chairman</i>
R. DEAN SCHICK, Ph.D.	<i>Professor</i>
BENEDICT A. HALL, Ph.D.	<i>Assistant Professor</i>
WILLIAM CLEMENS, M.S.	<i>Assistant Professor</i>
CRANSTON H. JORDAN, A.M.....	<i>Instructor</i>

Social Studies

RALPH A. BROWN, Ed.D.	<i>Chairman</i>
MINNIE PEARL CARR, A.M.....	<i>Assistant Professor</i>
FORREST D. KELLOGG, A.B.	<i>Assistant Professor</i>

SPECIAL FEATURES OF THE 1952 SESSION

1. **Graduate Program.** A full schedule of graduate courses and seminars for both beginning and continuing students in the major areas of General Elementary Education, Health Education, Recreation Education, and Physical Education.
2. **Undergraduate Program.** Courses for undergraduates who are accelerating their program in general elementary education. Also advanced undergraduate courses for normal school graduates who are working for their bachelor's degree and courses for certification in physical education.
3. **Post Sessions.** Special short intensive courses following the regular six-week summer session. Professional work offered on the graduate level in each of the major curricula and in conservation education.
4. **Intensive Teacher Training Program for College Graduates.** A program designed to give professional training to general college graduates who wish to teach in the elementary schools. Leads to temporary certification and when completed to master's degree and certification.
5. **Educational Consultation.** Staff members available for consultation in most phases of public school work. Appointments to be made through adviser or directly with faculty member.
6. **Graduate Workshop in Elementary Education.** Workshop for experienced teachers and supervisors who are independent and research-minded in their work methods, and who are interested in exchanging their experience and research with their fellow teachers.
7. **Early Childhood Education Program.** Leads to the master's degree and state certification in Early Childhood. Open to regular graduate students in elementary education and to those in the Intensive Program.
8. **Institute in Elementary Education.** A special institute for teachers, supervisors, and principals of elementary schools. Opportunity to work with ten leaders in areas of student's special interests. July 14 to 25 inclusive.
9. **Coaching Clinic.** Advanced athletic coaching clinics conducted by outstanding coaches in football and baseball. The football clinic will carry two hours of graduate credit and the baseball clinic will be offered for one hour of credit.

10. **Physical Education—Organization and Administration.** A seminar in the Organization and Administration of the Physical Education Program. Recognized authorities in the field will serve as visiting lecturers and consultants. Opportunities will be provided for students with on-the-job problems to confer with these experts.
11. **Elementary School Supervision and Administration.** Six hours of course work in each of the areas of supervision and administration. Counts toward master's degree in elementary education and when approved by State Commissioner of Education serve as required work for certification in these areas.
12. **Assemblies and Convocations.** Speakers and leaders in areas such as international relations, public education, and special fields of education visit campus and address students.
13. **Elementary School Physical Education.** A graduate workshop in physical education for the elementary school and a clinic in evaluation and administration of activities for the elementary school program. As a unique feature, a large group of children on all elementary grade levels will be available for demonstration purposes.
14. **Driver Education.** During the regular summer session, a six-week, two-credit-hour course (including laboratory experience in the use of the dual-control car) will be offered to prepare teachers of driver education for the secondary school.
15. **School Dental Hygienist Certification.** Regularly scheduled courses to meet requirements for provisional and permanent certification in this field. Consult adviser.
16. **School Nurse Temporary Certification.** Of the courses required the following are offered this summer: Nutrition I, Sociology, Organization and Administration of Public School Education, and Health Service in Public Schools.

LOCATION OF THE COLLEGE

Located in the geographical center of the state, Cortland is a small city of nearly 20,000 with many cultural, commercial and manufacturing interests. It provides opportunity for varied religious, social, and recreational experiences. The surrounding countryside of rolling hills and valleys is beautiful in the summer. The location together with the altitude furnishes a delightful summer climate.

The college is near the Finger Lakes region in which the state maintains a number of state parks which are available for picnics and outings. Several summer theaters offer recent dramatic productions in communities within easy driving distance. The city of Cortland and the college offer opportunity for sports such as swimming, dancing, golf, and baseball.

Cortland is situated about midway between Syracuse and Binghamton on the Delaware and Lackawanna Railroad. The Greyhound Bus Lines operate many buses to the North, South, and West on daily schedules. These connect with the New York Central Railroad at Syracuse, the Erie at Binghamton, and the Lehigh at Ithaca. The principal highways reaching Cortland are U.S. 11 and N.Y. 13.

FACILITIES OF THE COLLEGE

During the summer session the regular college facilities such as classrooms and libraries are rearranged so that special seminars and workshops are provided with facilities suited to their needs. Over the years, the college has developed a collection of books, reference materials, and supplementary supplies in both the area of teacher education and in the liberal-cultural field.

A year ago, the college opened a new housing unit which adjoins one of the finest student unions to be found in a small college. Nearing completion is a large gymnasium and classroom building which will house the special work in the fields of physical education, health education, and recreation education. The college is also expanding its playing fields with the development of a tract of twenty-five acres.

A most important asset of the college is the staff. The resident staff is augmented in the summer with people from the public schools and from other colleges. The individual staff members are selected for their special backgrounds and for the service they can bring to the students. At Cortland, it is understood that faculty members are available for consultation on problems that are important to students.

STUDENT HEALTH SERVICE

Inasmuch as no infirmary or hospital beds are maintained by the college, the primary purpose of the Health Service is to

provide proper facilities for first-aid and the treatment of patients with minor illnesses not requiring hospitalization. The student does not receive total health coverage while in attendance at college; however, every effort is made to meet the needs of the students through cooperation with local physicians in Cortland when more intensive and prolonged care is necessary. In cases of severe injury or acute illness the students are hospitalized in the Cortland County Hospital under the supervision of any local physician of the patient's choice. These physicians work in close cooperation with the College physician and the College Health Service.

In addition to the treatment of injuries and illnesses, the Health Service performs periodic physical checkups and special examinations when necessary.

During summer school the Health Service is maintained by a full-time physician and a full-time nurse. No health fee is charged for the work performed in the College Health Office; however, all expenses incurred with local physicians and hospitals must be borne by the student. In summer school the health insurance program is not in effect except for students who were enrolled in regular sessions for the previous school year.

SCHOOL OF PRACTICE

The College School of Practice, including children from nursery school to the eighth grade, will be in session from July 7 to August 6. The program will extend from 9:00 to 12:00 o'clock, Monday through Friday.

The elementary school has the two-fold purpose of providing children with a varied and enriched summer program, and providing college students with an opportunity to observe and participate in teaching situations. First consideration in the use of the School of Practice will be given to the needs of the teachers in the Intensive Teacher Training Program who will spend about one-half of their time working with children.

College students who wish to register their children in the School of Practice should make early arrangements by writing to the Coordinator of the College School of Practice. Children who enroll are expected to attend regularly during the entire period.

ADMISSION

Students who plan to enroll in the summer session should consult the following paragraphs and arrange for admission to the program of their choice in accord with the directions for that particular program. In all cases registration will be greatly facilitated if contact is made well in advance of the opening of the session either personally or through correspondence.

The Dean's Office will approve schedules for all undergraduate groups and will admit undergraduate students from other colleges who wish to study at Cortland during the summer Transfer students who wish to be candidates for the bachelor's degree at Cortland must file an official transcript of all work previously taken with the college registrar at the time they seek candidacy for the degree.

College graduates who plan to enter the Intensive Teacher Training Program must be admitted to this program by the Dean's Office prior to the opening date of the summer session. This Intensive Teacher Training Program assumes prior graduation from a recognized college, no previous preparation to teach in the elementary schools, and the intent to serve as elementary school teachers. An official transcript of the undergraduate record should accompany the request for admission. Official admission forms may be obtained from the Dean's Office.

Regular graduate students who wish to pursue graduate study in particular fields of work may enroll without formal admission. They should, however, consult with the adviser representing the major department in which they wish to study. Matriculation and candidacy for the master's degree is determined after a graduate student has completed six semester hours of resident study. The regulations governing the master's degree are printed in the graduate section of this bulletin.

Special students who wish to register for one or more courses to satisfy a particular need such as meeting state requirements for certification should consult with the Dean's Office or if they are interested in the field of physical education, health education, or recreation education, consultation should be with the director of that division.

FEEES

Tuition and Fees for Summer Sessions on Campus:

Undergraduate tuition (resident)	\$10.00 per credit hour
Graduate tuition (resident)	12.50 per credit hour
Non-resident tuition	12.50 per credit hour
Summer session college fee	10.00 per student

Auditing Fee

- a. if enrolled in other courses
for credit 5.00 per course
- b. if auditing courses only 10.00 per course

Student Union Fee for sessions less than six weeks	1.00 per week
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Tuition and Fees for Camp Sessions at Raquette Lake:

Undergraduate tuition (resident)	\$10.00 per credit hour
Graduate tuition (resident)	12.50 per credit hour
Non-resident tuition	12.50 per credit hour
Camp registration fee	5.00 per session
Board and Room at Camp	15.00 per week

The schedule of fees listed above applies to all students except those classified as "undergraduate accelerates" who are enrolled for a full eight-weeks program and who pay no tuition but do pay the Summer Session College Fee. Undergraduate students who are completing their work for the bachelor's degree must pay an additional fee of ten dollars to cover the cost of their degree and certificate.

Graduate students pay a diploma fee of seven dollars. Both groups pay the rental of caps, gowns, and hoods which are required at graduate exercises.

In-service teachers who have served student-cadet teachers during the previous school year are granted tuition-free study on either the graduate or undergraduate level at the rate of eight semester hours for having had one or more cadet teachers for the full year. Thus, if such service was given for one-half a semester, free tuition would be granted for two semester hours of study. Requests for this tuition free study should be made prior to enrollment on forms provided by the Dean (for undergraduates) and by the Chairman of the Graduate Division (for graduate students).

Refunds of fees will be made in full for students who withdraw on or before July 7, 1952. Requests for refunds must be made to the office of the Financial Secretary before the close of business on July seventh.

Special students who carry less than a full program during a regular summer session pay tuition fees plus a Student Union fee of \$1.00 per credit hour.

VETERAN'S BENEFITS

Cortland State Teachers College has been approved by the Veterans Administration for educational training under the several acts of Congress. For approved veterans, the government pays for tuition, fees, books and supplies, and subsistence of the veteran according to regulations established by the Veterans Administration. The college maintains a Veteran's Office to which inquiries may be directed. Correspondence relative to housing should be sent to the Dean of Women.

Veterans who are transferring to Cortland for summer study and veterans who are beginning their regular program of college study under the Veterans Administration must bring to the college on the first day of registration a Certificate of Eligibility and Entitlement showing validity at Cortland State

Teachers College and also naming the courses they wish to study. If a veteran is transferring from another college he should request his Supplemental Certificate of Eligibility six weeks in advance of the opening of the summer session. This is a most important matter. Only the Veterans Administration can issue these certificates and no veteran can receive benefits without a proper authorization in advance.

Veterans must now be in "continuous training" in accordance with rules established by the Veterans Administration. In general, teachers who were in training the summer of 1951 or who were enrolled in extension work during the year 1951-52 are considered to be in "continuous training". However, it is advised that all veterans should consult their Regional Office of the Veterans Administration to determine their status. The college cannot assume this responsibility. Veterans who have been in "continuous training" at this college do not need a Supplemental Certificate of Eligibility unless they are changing their course.

RESIDENCE FACILITIES FOR STUDENTS

All students, both men and women, make their summer housing arrangements by working directly through the Personnel Office. Residence halls provide space for both graduate and undergraduate students. Meals will be available at the College Cafeteria.

Accommodations for women graduate students who wish to live on campus in a friendly professional atmosphere will be available at Nu Sigma Chi Sorority House.

There will be a limited number of apartments available for couples. Every effort will be made to place family units, but no guarantee can be given that there will be adequate accommodations for all such applicants. Married couples and families should make application for housing as early as possible, stating specific needs.

For further information, write directly to the Personnel Office, Dean of Women.

Reservations should be made in advance.

RECREATIONAL AND EXTRA-CLASS ACTIVITIES

During the summer session the college will bring to the campus several nationally known leaders in education and public affairs who will address the students. Other special lecturers will participate in seminars and workshop discussions.

Several social functions such as the undergraduate picnic and the graduate picnic, social dancing, and various smaller group activities will be scheduled. The graduate division holds weekly discussion luncheons at which timely topics are discussed under the leadership of a staff member or a student or

visitor who has a specialized interest and experience. It is the aim of the college to provide ample opportunity for personal interchange of ideas and experience.

Frequently a class or group may be taken to study the operation of some industry, a dairy farm, the United Nations, or a center of historical interest. Usually these trips are open to non-members of the class when this has been prearranged with the leader.

The location of Cortland, in central New York, near the Finger Lakes Region, provides many facilities for outdoor recreation. The city and the college have playgrounds, swimming pools, ball fields, and other opportunities for play and sports. Summer theatres of repute are available in several communities near Cortland.

IMPORTANT ANNOUNCEMENTS

UNDERGRADUATE DIVISION

1. Teachers who are working to complete their fourth year for the bachelor's degree should consult specifically with the Dean's Office before registration.
2. All summer registration should be completed before July second. Late registrants must be specially accepted by the dean. No registrations for full credit will be accepted after Monday, July 7.
3. Courses which are being taken specifically to meet certification standards in New York State should be approved for that purpose by the Office of Teacher Certification, State Education Department, Albany, N. Y.
4. Opportunity for recreational and social activities are provided. Students are encouraged to participate in these activities unless they interfere with satisfactory progress in regular college work.
5. Any course having fewer than five enrollees may be withdrawn.

GRADUATE DIVISION

1. Regular graduate students who have been matriculated for the master's degree should have consulted with their adviser, either in person or by mail, before the opening of the summer session. If such contact cannot be made, then the chairman of the division should be consulted.
2. Registration for Post Sessions should be made in the Registrar's Office before July 18. Courses listed in the Post Session may be withdrawn if insufficient students enroll.
3. College graduates who did not prepare to teach in the elementary schools as undergraduates and who wish to enter the Intensive Teacher Training Program must apply for and be accepted by the Dean's Office prior to the opening of the summer session.
4. The normal load for graduate students is six semester hours for the six-week session. In cases where a suitable combination of courses totals seven hours, approval will be granted to students having above average records in previous work. A maximum load of eight semester hours will be granted only to students of superior ability and upon petition to the Graduate Council. Such petition must be filed on a form provided by the council before noon, June 30, 1952.
5. Graduate students are expected to attend all official Graduate Convocations. Attendance at informal discussions and social functions is desired.

CURRICULA OFFERED IN SUMMER

Undergraduate Curricula

General Elementary Education. During the summer session courses are provided for the following groups of students: (a) accelerate students who enroll in the eight-weeks session, (b) regular students who enroll in the six-weeks session in order to advance their regular program, (c) graduates of the former two and three-year normal school courses who are working to complete the requirements for the bachelor's degree. Both professional and liberal-cultural courses are available. Consultation should be arranged with the Office of the Dean.

Physical Education. A limited number of courses are available in this special field. They are given primarily for meeting special needs such as the state requirements for certification. No regular program of acceleration will be given in physical education. Technical questions should be directed to the Director of Training, Health, Physical Education, and Recreation.

Dental Hygienist Certification. Special courses are given for dental hygienists who may work for either the Provisional Certificate or the Permanent Certificate in this field. Consult the Office of the Dean.

Requirements for the Bachelor's Degree. For a complete statement of the requirements for the bachelor's degree in the several different curricula offered by the college the student is referred to the general college catalog. These requirements apply to regular undergraduate students.

Degree Requirements for Former Normal School Graduates. Graduates of the three-year course which was formerly given in the State Normal Schools must meet the following state regulations in qualifying for the bachelor's degree.

1. Course Requirements:

In a specialization*	15 semester hours
In English	6 semester hours
In Education	3-6 semester hours
In Electives	5-8 semester hours

2. Residence Requirements:

One year of resident study is required for the granting of a diploma, certificate, or degree. Thus, a person who

* The specialization may be in one of the following fields: art, English, foreign language, geography, mathematics, music, biological science, physical science, social studies, or speech. If English is selected as a specialization, then six semester hours must be taken in social studies.

has taken 3 years at one state teachers college must spend a full year in residence if she plans to complete her fourth year at another state teachers college.

The last 16 semester hours, or two summer sessions totaling 12 semester hours, must be taken in resident study at the teachers college granting the degree.

Courses taken in extension on the campus at Cortland count as residence credit.

Correspondence concerning the completion of the fourth year for the Bachelor's Degree should be addressed to the Dean, State Teachers College, Cortland, N. Y.

Acceleration for the Bachelor's Degree in Elementary Education. By attendance for three regular academic years and three summer sessions of eight weeks each, an undergraduate student may complete the four-year curriculum in three years. Admission to acceleration is open only in the field of general elementary education. The following schedules have been arranged for freshmen and sophomore accelerates in the summer of 1952.

For those entering June 30, 1952:

<i>Subject</i>	<i>Time</i>
Science 103 & 203—Biology	8:00-10:40
Music 101—Essentials of Music	1:00- 1:50
HP 206—Community Health	2:00- 2:50

For those who entered in January, 1952:

Science 103 & 203—Biology	8:00-10:40
Music 102—Essentials of Music	11:00-11:50
HP 206—Community Health	2:00- 2:50

For sophomore accelerates:

Section A

Ed. 201b—Child and Curriculum I	8:00-9:40
S.S. 203—American Heritage I	11:00-12:00
English 221—American Lit. & Comp.	1:00- 2:00

Section B

Eng. 221—American Lit. & Comp.	9:00-10:00
Ed. 201b—Child and Curriculum	10:00-11:40
S.S. 203—American Heritage I	1:00-2:00

For a full statement of the undergraduate curricula, consult the general college catalog.

Courses for Dental Hygienist Certification

The Certification Division of the State Education Department has approved the courses offered by this College for both the Provisional and the Permanent Certificates. The following courses are required for certification, and are given this summer.

For the Provisional Certificate

Ed. HP 308	Organization and Administration of Public School Education	2 hrs.
HP 201	Health Service in Public Schools	2 hrs.
HE 609	Health Education Methods for School Dental Hygiene Teachers	2 hrs.

For the Permanent Certificate

HE 203	Nutrition	2 hrs.
HP 407	Mental and Emotional Health	2 hrs.
Ed. HP 303	History and Principles of Education	2 hrs.
HP 409	Health Education Organization and Administration Seminar	2 hrs.
HE 610	Organization and Administration of Case Studies	2 hrs.

School dental hygiene teachers who may wish to start work toward a bachelor's degree with a major in health education or in some other area should consult with the college dean.

GRADUATE CURRICULA

The graduate curricula leading to the master of science degree are offered chiefly in the summer sessions so that teachers may remain employed and earn their master's degree by summer study and through extension. Full programs are offered in each of the following major areas for which curricula have been developed.

1. General Elementary Education
2. Intensive Teacher Training Program in Elementary Education
3. Early Childhood Education
4. Physical Education
5. Recreation Education
6. Health Education
7. Elementary School Supervision
8. Elementary School Principalship

Details of these curricula are found in the graduate section of this bulletin.

DESCRIPTION OF COURSES

The following courses are offered during the summer session. For a summary showing the credit hours, the duration in weeks, the instructor, and the time scheduled, see page 39. The offering is grouped by departments with lower level courses listed first. The following system is employed in numbering courses.

Course numbers	Classification of students
101-199	For freshmen
200-299	For sophomores
300-399	For juniors
400-499	For seniors
500-599	Electives for sophomores, juniors or seniors
600-699	Electives for juniors and seniors only
700-799	Electives for seniors and graduates
800-899	For graduate students only

Art Department

Art 201: Arts and Crafts **2 semester hours**

A study of the creation of design for some of the craft materials and the hand processes involved in their use. Practice in pottery making, weaving, woodworking, leather tooling, metal working, blockprinting, or bookbinding with special attention to the use of such techniques and materials in the teaching of children or adults.

Art 505: Advanced Arts and Crafts **2 semester hours**

The use of fundamental techniques in developing a higher degree of proficiency with craft materials. Experimentation with the potter's wheel, ceramic casting, jewelry making, new weaving patterns and procedures, creative wood, or plastics.

Education 720: Seminar in Art in Elementary Education **2 semester hours**

Deals with art materials and plans development and use of art projects. Attention given to new art media, requisition, handling, distribution, and display of art materials and children's art productions. Research in art and teaching problems encouraged as means of stimulating creative expression in children. For ITTP and other teachers.

Education

Education 201b: Child and Curriculum **4 semester hours**

First half of regular course in Child and Curriculum dealing with methods and materials in elementary school. For sophomore accelerate students.

Education 302, also Ed.H.P. 308: Educational Organization and Administration for Teachers **2 semester hours**

Regular course for junior accelerated students in elementary education. Includes out-of-classroom work of teachers such as school organization and administration related to teachers, work of teacher organizations, school law and regulations, school and community relationships, professional preparation and growth of teachers.

(Formerly, Elementary School Problems).

Education 401b, and 402b: Professional Sequence Seminar**3 semester hours each**

For accelerated seniors who have finished their practice teaching in elementary education in the regular program. Work deals with the self-analyzed, and diagnosed and recommended needs of individual students as they approach termination of their professional sequence and full-time teaching responsibilities. Section C is for inservice undergraduate teachers.

Education ITTP-I: Integrated Professional Study 6-8 semester hours

Integrated professional study with special staff of teacher-consultants and coordinator. Student observes and teaches children; evaluates his current teaching experiences; plans his teaching program for his first teaching position beginning in September. Daily schedule includes lectures and discussions 7:20 to 9:00, and 1:00 to 2:00 Monday, Wednesday, Friday. Work with children 9:00 to 12:00, and evaluation of this work 1:00 to 2:00. All work focused on practical first year teaching problems. Student works with age-level children he expects to teach next year.

Education 700-I, and 700-IE: Child Study 3 semester hours

Course deals with principles of child learning, behavior, and techniques of evaluation. Designed for second or third summer ITTP students who have had less than six semester hours of Child Study or Educational Psychology for permanent certification. Graduates with 6 or more semester hours of child study may take Ed. 700 in the regular session, or post-session. 700-I, and 700-IE may be taken in post-session.

Education 700: Seminar in Advanced Child Study 2-3 semester hours

Acquaints teacher with the better current literature and experimentation in the field of child study; work related to child development as it concerns all guided activities of children in modern elementary school program. Organized on a lecture-seminar-workshop basis, and adapted to individual members of group. Summer session and post-session. Ed. 700 combined with Ed. 700-I, and 700-IE in post-session.

Education 701: Trends in Public Education 2 semester hours

Trends in aims, materials and methods of public education including functionalized and differentiated curricula; organization, equipment, support of public schools; public relations; teacher selection, preparation and inservice growth; professional organizations and leadership; evaluation of child development, teaching, curriculum, and school program. Primarily for Health, Physical, and Recreation majors.

Education 703, and 703-E: Evaluation and Guidance in the Elementary School**3 semester hours**

Portrays effective means of guiding child development throughout elementary school, and evaluating such development in terms of objectives of elementary school program. Work designed for teachers, supervisors, and principals. The 703-E section will have a teacher in Early Childhood Education.

Education 718: Audio-Visual Aids in the Public School Program**2 semester hours**

Acquaintance with nature and values of audio and visual aids in education and techniques of using them. For teachers, supervisors and principals in the field of elementary education. Also offered in post-session.

Education 720: Seminar in Art in Elementary Education**2 semester hours**

Deals with art materials and plans development and use of art projects. Attention given to new art media, requisition, handling, distribution, and display of art materials and children's art productions. Research in art and teaching problems encouraged as means of encouraging creative expression in children. For ITTP and other teachers.

**Education 721: Seminar in Music in the
Elementary School 2 semester hours**

Develops teacher's understanding of role of music in elementary school, and how children can be effectively guided in developing musical experiences. Emphasis placed upon reading-songs and rote-songs. For ITTP and other teachers.

**Education 722: Seminar in Mathematics in the
Elementary School 2 semester hours**

Consideration given to functions of arithmetic, curriculum trends, modes of learning and evaluation of child learning. Experimental work encouraged and counseled. For ITTP and experienced teachers and supervisors of mathematics in the elementary school.

**Education 723: Seminar in Reading in the
Elementary School 2 semester hours**

Developmental concept of reading is emphasized. Designed for seniors and graduates, including ITTP student, and supervisors.

**Education 725: Seminar in Social Studies in the
Elementary School 2 semester hours**

Emphasis given to objectives, methods and materials, correlation of social studies with other curriculum areas, evaluation of social-studies experiences and various problems of student need. For inservice teachers, including beginning ITTP teachers.

**Education 726: Seminar in Science in the
Elementary School 2 semester hours**

Work includes development of teaching projects for children, and locating various sources of teaching aids. Emphasis given to organizing pupil activities for effective units of science program in elementary school. For teachers and supervisors of elementary school, including ITTP teachers.

**Education 740: Elementary School Methods,
Materials, and Participation 3-6 semester hours**

For young teachers with little or no experience in the elementary school. Program includes daily work with children (observation, participation and teaching) followed by critical evaluation of that work; planning one's individual teaching program for following year with help of a consultant. Work deals with all practical phases of teacher's school program.

**Education 765: Curriculum Construction in the
Elementary School 2 semester hours**

Principles and practices in curriculum development in elementary school. Examination of courses of study, developmental trends and influences. Consideration of personal problems in local curriculum situations. Curriculum laboratory and consultant services available for experienced teachers, supervisors, and principals. Small laboratory fee may be charged for curriculum materials.

Education 770: Supervision of Student Teaching 3 semester hours

Course designed for public-school teachers who sponsor college-student teachers, and teachers who wish to become supervisors in the school-of-practice of a teachers' college. Units of work include: functions of student teaching; backgrounds and viewpoints of student teachers; organization of the school; school-community relations; principles of child development and behavior; basic curriculum materials; basic principles of teaching and learning; evaluating child development, the school program, and the student teaching. Open to anyone by advisement.

**Education 780A, 780B, 780C: Institute in
Elementary Education**

2-6 semester hours

Institute designed for experienced teachers, supervisors, principals of graduate or undergraduate standing. Organized on a lecture, work-group, and forum basis. Provision made for individual and group work according to interests. Institute staffed by visiting lecturers, and resident consultants. Taken without credit, or with 2 semester hours for each of three summers. A few students may work longer than two weeks if registered in advance, noting purpose and plan of work. Advanced registration requested by all.

**Education 801A, 801B: Workshop in
Elementary Education**

3-6 semester hours

Deals with those phases of elementary education of which members of the group have need. Each teacher works in a small group or on an individual project in addition to participating in large group activities of common concern. For experienced teachers, supervisors, and principals, and ITTP teachers who are self-reliant in individual and group work. Limited number of advanced registrants may apply for two to four weeks work on problem(s) and plan of study of their choosing. (Credit for part-session usually 1 semester hour per week). Teacher who has had one workshop may take the other for a total up to 6 semester hours. For elementary Education majors. ECE majors take Ed. 801AE, or 801BE.

**Education 801-AE, 801-BE: Workshop in
Early Childhood Education**

3-6 semester hours

For second summer ITTP teachers and other teachers of experience in Early Childhood Education. Deals with over-all phases of ECE program and curriculum, including: language arts; mathematics and science; music and games; arts and crafts; social studies; home-school relations, family life and adjustments. Teacher develops comprehensive view of whole program and concentrates on those interests of special concern. A few teachers may join workshop for less than six weeks by advanced registration and statement of purpose and plan of work. Amount of work over six-weeks period according to amount of credit scheduled.

**Education 805-AE, 805-BE: Seminar in
Early Childhood Education**

3-6 semester hours

For third summer ITTP and experienced teachers of Early Childhood Education. Pre-requisite Ed. 801-AE, or 801-BE, or equivalent or by consent of adviser. Seminar deals with fundamentals, trends, and individual problems in areas of ECE, including curriculum, child development, organization administration of schools and profession, family life, home-school relations, etc. A few teachers may register in seminar for less than six weeks by advanced application and statement of aim and plan of work. Credit according to amount of work.

**Education 810: Educational Administration and
the Teacher**

2 semester hours

Deals with organization, administration, school-community relations, and other out-of-classroom problems which concern teachers. For ITTP teachers and students needing 2 semester hours of work in principles-history-philosophy area needed for certification.

Education 812: Educational Research

2 semester hours

Beginning course designed to develop nature and appreciation of types and techniques of research and their contribution to education and teaching. Aspects of work include nature and need of research, types of research, research techniques, current research in the student's major field. Students encouraged to do in-service research. For teachers, supervisors, and principals in various fields of elementary education, physical education, and related areas. For consumers and producers of research.

Education 815: Supervision B: Instructional Program of the Elementary School **3 semester hours**

Pertains to guiding the child, developing the curriculum, and improving instruction in the elementary school. Units include: aims of elementary education; principles of child development and learning and need of school organization; nature, development, and adaptations of curriculum; cocurricular program of school; instructional procedures, techniques and adaptations; evaluation of child development, curriculum and school program; current literature (philosophy, practices, and research) in areas of elementary school supervision.

Course designed to meet one-half of certification requirements for teachers who wish to qualify as supervisors in elementary schools of New York State. Course may follow or precede Ed. 814. Prospective principal may substitute this course for Ed. 817 with approval of State Education Department. Pre-requisite three years of teaching.

Education 816: Elementary School Principalship I: Organization and Personnel **3 semester hours**

Course relates to organization of school and school system; pupil population and accounting; selection, qualifications, responsibilities, supervision, inservice growth of school personnel; operation and services of professional organizations; organization of curriculum and pupil personnel work; evaluation of teacher services, and promotion policies; ordering and care of equipment and supplies; care of buildings and grounds; work and qualifications of principal as leader in school, profession, community; evaluation of various aspects of school program; experimentation and research in elementary school administration.

Companion course with Ed. 817 for those seeking State Certification as principal. May follow or precede Ed. 817. Course may be substituted for Ed. 814 with approval of State Education Department. Pre-requisite three years of teaching.

Education 840: Individual Problems in Elementary Education **1-4 semester hours**

For experienced teachers or supervisors who wish to work independently on inservice problems calling for research and consultant services. Arrangements made with one's adviser and by advance registration. Time arranged with adviser.

Post Session in Elementary Education

Education 700-I, and 700-IE: Child Study **3 semester hours**

Course deals with principles of child learning, behavior, and techniques of evaluation. Designed for second or third summer ITTP students who have had less than six semester hours of Child Study or Educational Psychology for permanent certification. Graduates with 6 or more semester hours of child study may take Ed. 700 in the regular session, or post-session. 700-I, and 700-IE: may be taken in post-session.

Science 711: Economic Biology and Conservation **3 semester hours**

Studies of plant and animal groups most directly involved with man's living, progress, and well-being. Emphasis upon methods of control as affecting the continued supply or destruction of these groups. Essentially an "indoor" course; complements Science 713. Several all-day trips, by prearrangement.

Education 718: Audio-Visual Aids in the Public School Program **2 semester hours**

Acquaintance with nature and values of audio and visual aids in education and techniques of using them. For teachers, supervisors, and principals in the field of elementary education.

Education 723: Seminar in Reading in the Elementary School 2 semester hours

Developmental concept of reading is emphasized. Designed for seniors and graduates, including ITTP students, and supervisors.

Education 810: Educational Administration and the Teacher 2 semester hours

Deals with organization, administration, school-community relations, and other out-of-classroom problems which concern teachers. For ITTP teachers and students needing 2 semester hours of work in principles-history-philosophy area needed for certification.

English

English 112: Communication Skills 3 semester hours

Second semester of a year course in study and practice of reading, writing, speaking, and listening skills; argumentation, persuasion, description; research paper, group and panel discussion; diction and advanced elements of communication techniques.

English 202A: Elementary Acting 3 semester hours

Fundamental techniques of acting: actor as playwright, building the stage image, dramatic pantomime, dramatic speech, playing the part, dramatic style, the actor as artist and showman. Projects include performance of solo scenes (including detailed written reports on all steps involved in preparation of scenes), performance of several group scenes, written critical reviews of laboratory theatre productions.

English 202C: Radio Speech 3 semester hours

Art and techniques of all phases of program performance: general announcing, composition and delivery of commercial advertisements, extemporaneous and impromptu descriptions, newscasting, interviewing. Extensive use of tape recorder and P.A. system. Opportunity to audition for college programs over stations WKRT and WKRT-FM.

English 221: American Literature and Composition 3 semester hours

Two sections. First semester of a year course; study of important pieces of American literature as an introduction to critical appreciation of literature; advanced composition based on analysis and discussion of the ideas and techniques of the literature. Required of all sophomores in partial satisfaction of college requirements of advanced composition and of literature (counts as 2 hours composition, one hour literature).

English 301: Introduction to Literature 3 semester hours

General introduction to study and critical appreciation of literature, British and American: poetry, short story, novel, drama. Not open to students who have had English 221-2. Recommended as preparation for the advanced courses in literature.

English 601: Speech Re-education 3 semester hours

Designed for classroom teacher. Recognition of functional handicaps of speech, including articulatory vocal and rhythmic disorders. Observation and practice in clinical techniques.

English 603: American Literature 3 semester hours

Study of important writings from Colonial to present times, especially as they reflect American life and thought; poetry, novel, drama, essay. Not open to students who have had English 221-2.

English 712: American English Grammar 2-3 semester hours

Study of modern descriptive grammar based on current American usage; practical application of modern methods of observing language

habits; different levels of usage and conflicting usages; historical and social influences. Designed as continuation of language study in English 711; but English 711 is not a prerequisite.

English 750: Poetry of the Romantic Period 2 semester hours

Study of English poetry from 1780 to 1830, chiefly Wordsworth, Coleridge, Byron, Shelley, Keats; attention given European and English political and social ideas.

English 751: Studies in American Literature 3 semester hours

An intensive study of a few major works of important writers of the 19th or 20th centuries; special reference to political and social thought and to literary techniques. Prerequisite: one course in American literature, or consent of instructor.

English 763: Oral and Dramatic Interpretation 3 semester hours

Analysis and oral presentation of selection from prose literature, verse, and dramatic dialogue; study of intellectual and emotional values of selections and their interpretation by means of voice and action; individual and group performances; student critical evaluation of performances.

English 768: Utilization of Radio and Television 2 semester hours

Radio and television media as aids in public school work; principles and techniques ranging from the preparation of programs to the presentation and evaluation of programs; practical application of available materials; out-of-school viewing and listening required.

Foreign Languages 701: Masterpieces of European Literature I. 3 semester hours

Reading and discussion of some of the major masterpieces of European literature in translation. Includes such dramatists as Sophocles, Moliere, Ibsen, and Sartre, and readings from the Bible, Homer, Dante and Kafka.

Health Education

HP 201: Organization and Administration of the School Health Program 2 semester hours

Study of the health status of the child; medical, dental and nursing service; the control of communicable disease; provision for a wholesome school environment; and the organization of the instructional program of health.

HP 202: Safety and First Aid 2 semester hours

(a) Safety Education—1 semester hour

Presentation of and practice in modern methods of safety education, including the safety of the school child and formulation of school safety education programs.

(b) First Aid—1 semester hour

The American Red Cross standard first aid course, together with the use of first aid procedures in the public school program.

HE 203: Nutrition I and II 2 semester hours

A study of the nutritional needs at the various age levels together with an analysis of the nutritional status of the American people, leading to an understanding of the nutritional basis for healthful living. Includes practice in methods of learning; intelligent food preparation and serving, as well as instruction in meal planning and costs. Emphasizes student experience in maintaining an optimum nutritional status. Offered as one unit for Health Education students during one semester. Includes laboratory experiences.

HP 206: Community Health I **2 semester hours**

Stresses the nature of communicable diseases, their epidemiology, and means of preventing them. Community organization for health constitutes the second phase of the course. Includes a study of the health status of the nation and its school children.

HE 208: Family and Child Care **2 semester hours**

Study of the biological, hygienic and medical aspects of problems and needs in the care of the child and the family, with analysis of current practices and procedures.

HP 303: History and Principles of Education **2 semester hours**

A study of the major educational concepts from primitive times to the present. The contribution of each period to present educational values. Principles of education in relation to the aims of education and their effect on society. Special application to the areas of physical education and health.

**HP 308: Organization and Administration of
Public School Education** **2 semester hours**

The organization of the elementary and secondary school including fundamental administrative and supervisory techniques. (For Physical and Health Education majors.)

HP 407: Mental and Emotional Health **2 semester hours**

Study of the mental hygiene of the normal individual with a detailed analysis of the factors underlying maximum effective personality development and adjustment. Personality aberrations introduced only as essential to a more comprehensive understanding of the normal.

**HE 409: Organization and Administration—
Seminar in Health Education** **3 semester hours**

Identification and study of individual problems evolving from the student's off-campus experience in school or public health education. Planned to allow ample opportunity for individual conferences with faculty members. Selection of major areas of study by the individual student with the guidance of the instructor.

HE 609: Methods for School Dental Hygiene Teachers **2 semester hours**

Study, evaluation and practice in the various methods that may be effective in teaching dental hygiene. Materials including audio-sensory aids accumulated and demonstrated. Actual practice provided in the use of both methods and materials.

**HE 610: Organization and Administration of
Case Studies in Dental Hygiene** **2 semester hours**

An introductory course in social case work, dealing with the dental hygienist's approach to the family, compiling data, histories and case reports; the use of voluntary and official organizations in coordinating dental hygiene in general health service.

**HE 701: Current Developments in Personal and
Community Health** **2 semester hours**

Intensive investigation into the most recent developments in hygiene, public health, and preventive medicine and their application to the school health programs.

**HE 802: Seminar in the Supervision and
Administration of School Health Education** **3 semester hours**

Emphasis upon the study of significant problems in organization, administration, and supervision of the school health program. Through individual study, group participation, and use of consultants, suggested techniques of application and solutions of problems are presented for evaluation and criticism.

HE 803: Individual Problems in Health Education 1-2 semester hours

Teachers with unique in-service problems consult and confer with specialists in their field. Effective practical solutions sought in terms of the local situations and the school-community needs, interests and resources.

Music

Music 101: Essentials of Music 2 semester hours

Designed for students with little or average preparation in music. Study of keyboard and application of music theory to sight reading, song singing, ear training and conducting. Students with considerable music background have an opportunity to proceed directly to Music 102A.

Music 102A: Essentials of Music—Advanced Course 2 semester hours

A second semester of music essentials. Recommended as preferred elective by advisement for Freshmen, upon completion of Music 101. Continued emphasis on development of tonality, rhythm concepts, music reading, ear training, and song singing. Introduction to I IV V chords in harmonic writing, listening and keyboard work. Melody writing through creative approach. Introduction to the presentation of elementary school music.

Music 701: Music in History 2 semester hours

Study of development and place of music in historical perspective. Interpreted in relation to the fine arts as well as religious, philosophical, economic, political and scientific factors.

Education 721: Seminar in Music in the Elementary School 2 semester hours

Develops teacher's understanding of role of music in elementary school, and how children can be effectively guided in developing musical experiences. Emphasis placed upon reading-songs. For ITTP and other teachers.

Physical Education

HP 204: Applied Anatomy 2 semester hours

Analysis of the fundamental and complex motor movements involved in physical education activities, based upon anatomical, mechanical, and physiological principles. Prerequisites: Science 102 and 201.

HP 301: Physical Education for the Atypical Child 3 semester hours

Study of the individual health, physical education and recreation needs of students unable to engage safely in unrestricted participation in the regular physical education program. Practice in the recognition of physical defects and individualized instruction in an adapted physical education program in the college and schools of the community.

HP 306: Physical Inspection 2 semester hours

A course to familiarize the student with methods of physical inspection, commonly occurring school health problems, and the relationships of teaching staffs to health service personnel. Open to General Education students.

HP 405: Physiology of Exercise 2 semester hours

Acquaints students with the physiological adjustments and changes occurring in the human organism as a result of physical activity. Emphasizes the physiology of muscular contraction; and the role of the circulatory and respiratory systems in exercise. Lectures, recitation, and laboratory work. Prerequisites: Science 102 and 201.

HP 406: Tests and Measurements II**2 semester hours**

Designed to cover the nature and purpose of measurement in the fields of health and physical education. Considers and evaluates available tests and provides practice in the administration of outstanding tests. Lectures and laboratory work. Prerequisite: Mathematics 301.

HP 517: Driver Education**2 semester hours**

For instructors of Driver Education in the high school covering organization and supervision, teaching methods, teaching aids; use of psychophysical tests, skill tests, and road tests; practical instruction in dual control car. Driving experience and New York State Operators License required. Under present state regulations, only teachers with secondary school certification can be employed as teachers of Driver Education.

**PE 701: Activity Program Clinic for Elementary School
Physical Education Teachers****2 semester hours**

Study, demonstration and evaluation of elementary grades' physical education activities. Emphasis on fundamental motor skills, skills progression, teaching methods and group interaction.

RE 706: Modern Trends in Recreation**2 semester hours**

Study of recreation activities currently most popular in different age groupings; trends in recreational activities with particular emphasis given to those of adults and older people. Refresher instruction in various activities and methods used when needed by majority of class members.

PE 721: Advanced Activity Program Clinic in Football**2 semester hours**

An advanced football coaching course designed to include components of effective team organization, strategy, recent developments, and the contemporary systems most frequently employed. Prerequisite: HP 411A or equivalent.

PE 724: Advanced Activity Program Clinic in Baseball**1 semester hour**

An advanced baseball coaching course including development of individual professional techniques for the various team positions. Offensive and defensive team strategy analyzed and demonstrated. Prerequisite HP 412A or equivalent.

PE 731: Dance as a Social Force**2 semester hours**

History and philosophy of dance as a social force. Theory and practice of planning and conducting square, folk and social dance in the recreational program of school and community.

PE 732: Dance as a Creative Art**2 semester hours**

History and philosophy of dance as a creative force in human development. Theory and practice of dance as an art with special emphasis on modern dance.

**RE 801: Workshop in Correlation of the School and
Community Recreation Program****3 semester hours**

Study of the place of the school in community recreation. Special emphasis on the advantages of the school in offering year 'round programs which meet the needs of all ages. Field problems of interest to class members are analyzed and solutions discussed. Major reports on school and community recreation situations individually studied required by each class member.

**PE 802: Workshop in Supervision of the Public School
Physical Education Program****3 semester hours**

Study of basic principles of supervision. Emphasis on practical problems confronting supervisors of physical education programs and upon supervision as a cooperative process.

RE 803: Individual Problems in Recreation 1-2 semester hours

Teachers and recreation leaders with in-service problems consult and confer with specialists in their field. Effective practical solutions sought in terms of the local situations and the school-community needs, interests and resources.

PE 805: Seminar in Organization and Administration of the Physical Education Program 3 semester hours

A seminar considering the pertinent administrative problems most frequently encountered by teachers in the field with emphasis on practical solutions for local situations. Program organization, administration, conduct and articulation with available school and community facilities, needs, interests and recognized limitations included.

PE 811: Seminar in the Directorship of Physical Education and Related Areas 2-8 semester hours

Seminars covering administrative problems confronting city and village directors of school physical education and the related areas. A practical approach to the responsibilities of the director.

Physical Education Activities

For Health and Physical Education, Recreation Education and General Education students at the undergraduate level.

These courses are designed to develop satisfactory skill on the part of the individual teachers in the many types of activities included in the physical education program with knowledge and ability to apply these techniques in teaching. Minimum standards of personal skill are required for satisfactory completion in each unit of instruction.

The courses listed below will be offered in the summer session providing there is sufficient demand.

W-4, W-3	Secondary & Leadup Games.....	1/2	cr. hr.	6 wks.
M-6, W-6	Basic Swimming	1/2	" "	"
MW-9	Elementary Games	1/2	" "	"
M-10, W-7	Stunts & Tumbling I	1/2	" "	"
W-15, M-30	Archery I	1/2	" "	"
M-15, W-13	Apparatus I	1/2	" "	"
M-25, W-17	Elementary Body Mechanics	1/2	" "	"
MW-35	Square & Country Dance	1/2	" "	"
MW-36	Social Dance	1/2	" "	"
MW-42	Social Games & Mixers	1/2	" "	"
MW-43	Playground Activities	1/2	" "	"

Post Session in Physical Education and Related Areas

RE 701: Outdoor Education in the School Program 2 semester hours

Study of outdoor education and school camping as an integral part of public education with suggested program materials for various age or grade levels. Implications and suggestions for school teachers, administrators and youth leaders in teaching the principles and methods of democracy by living with them in the small group camp setting.

HE 702: The Role of the Elementary School Teacher in School Health Education 2 semester hours

Study of effective functions of the teacher in elementary school health programs. Includes daily observation of pupils, unit development, coordination and integration of teaching, and administrative aspects of school health education at this academic level.

PE 707: Philosophy and Principles of Physical Education 2 semester hours

A study of the philosophical background and development of modern

physical education, and the formulation of scientific principles which foster desirable biological, sociological and psychological outcomes of physical education.

Science

Science 102: Anatomy and Physiology I **3 semester hours**

An intensive study of the human skin, circulatory, respiratory, digestive and excretory systems as parts of the living body. Special emphasis on nutrition, metabolism and basic physiology for physical education majors. Two lectures, one double laboratory-demonstration period.

Science 103: Animal Biology **3 semester hours**

Familiarity with basic laws, principles and theories of biology is a major objective. Nature and interpretation of life. Type studies of increasingly complex forms of animal life. Man's control of animal life. Man's applications of biological discoveries. One hour lecture and two double laboratory periods.

Science 201: Anatomy and Physiology II **3 semester hours**

Continued study of human body with emphasis on skeletal, muscular, and nervous mechanisms, hormone coordination and phenomena related to human growth and reproduction. Special background for advanced courses in physical education. Two lectures, one double laboratory-demonstration period.

Science 203: Plant Biology **3 semester hours**

An introduction to the study of plants: their structure, functions, development; their place in the living world; their importance to man. No prerequisite. One lecture and two double laboratory periods.

Science 207-a: Physics I Mechanics and Heat **3 semester hours**

Required for Physical Education and Combining Majors. A course stressing the fundamental mechanics underlying human motion. Application of physical principles to motor activities, physiological processes, and equipment used in physical activities. Two lectures and one double laboratory period.

Science 602: Genetics and Eugenics **3 semester hours**

A study of the fundamental principles of heredity. Relative effects of environment and heredity. On the eugenic side, the inheritance of abilities and capacities are considered. Present eugenic trend of American people evaluated. Basic factors underlying individual differences stressed. Three lecture hours.

Science 707: Descriptive Astronomy **2 semester hours**

A non-mathematical study of the constellations, moon, planets and other astronomical objects of our galaxy. One lecture and one double period for observation and laboratory exercises.

Science 708: Science in the Social World **2 semester hours**

Modern scientific progress and its effects upon human society. Emphasis upon the scientific principles and devices used. Implications of science for social progress.

Science 713: Field Studies in Conservation **3 semester hours**

Soil, water, forests, and wildlife problems in New York State. All-day field trips to various points of conservation importance, supplemented by evening discussions and motion pictures. Includes numerous consultants from various agencies to afford first-hand understanding of practical aspects of conservation practices. Summer School Post-Session course, full time.

**Education 726: Seminar in Science in the
Elementary School**

2 semester hours

Work includes development of teaching projects for children, and locating various sources of teaching aids. Emphasis given to organizing pupil activities for effective units of a science program in the elementary school. For teachers and supervisors of the elementary school, including ITTP teachers.

Science 802: Laboratory and Field Studies in Science

4 semester hours

A science experience course with emphasis upon laboratory and field observations. Early morning bird study trips may be followed by late evening astronomy. Visits to fish hatcheries or to experimental stations scheduled.

Social Studies

**Social Studies 203: Introduction to
American Heritage**

3 semester hours

Designed as an introductory survey of the development of American culture. An examination of the impact of European cultures and the gradual growth of the American way of life as we know it today. Students taking this cannot take Social Studies 201 and Social Studies 202.

Social Studies 301: Introduction to Sociology

3 semester hours

A survey of sociological principles and their application to personal and social problems. Attention to the processes of social interaction and their outcomes for human behavior.

Social Studies 622: Marriage and the Family

3 semester hours

Provides a combination of the scientific and practical interests and approaches to the study of the problems of courtship, marriage, parenthood, and the family as a social institution.

Social Studies 624: History of American Diplomacy I

3 semester hours

Studies the relations of the United States with foreign nations from 1775 to 1861, and attempts to provide a realistic understanding of the directing forces which have shaped our diplomacy. Personalities, policies, the influence of public opinion and the growth and development of our diplomacy are presented.

Social Studies 628: The United Nations

2 semester hours

A study of the structure and functions of the United Nations and its current status in world affairs.

Social Studies 702: Issues in American History

3 semester hours

Designed to refresh American history background. Requires a basic knowledge of the subject. Attention to the changing front of historical scholarship, such as the revisionist theories in regard to the Turner frontier thesis.

Social Studies 719: Biography of Great Americans

3 semester hours

An examination of our national development through the media of biographical materials. Discussion of certain representative American figures and of our important biographical literature.

Social Studies 722: The Organization of Society

3 semester hours

The nature, functioning, interrelations, and changes in the major social institutions: family, economic, governmental, religious, educational, recreational, and penal.

The Graduate Division

The Summer Session for 1952

Regular Sessions

June 30—August 9

Post Sessions

August 11—August 22, 27

Curricula Leading to the Master's Degree

General Elementary Education Early Childhood Education

Physical Education Health Education Recreation Education

Intensive Teacher Training Program in Elementary Education

Elementary School Supervision

Elementary School Principalship

REGULATIONS AND PROCEDURES

THE GRADUATE PROGRAM AT CORTLAND

The several graduate curricula have been developed in terms of the needs and interests of teachers in service. Each curriculum provides for study in both the professional and the liberal-cultural fields with a wide range of choice. When students are matriculated and become candidates for the master of science degree, an adviser is assigned. It is the function of the adviser to plan with the student so that his program becomes genuinely functional and useful.

Graduate study is offered at Cortland chiefly during the summer session. Extension courses are available during the regular academic year. Thus teachers may earn their master's degree while continuing their regular employment.

ADMISSION TO GRADUATE STUDY

Individual graduate courses in the college are open to students who hold a baccalaureate degree from a recognized college and to individuals who through personal study and maturity satisfy instructors that they may profitably pursue such courses. Admission to graduate study does not constitute candidacy for a master's degree. Admission to a full program of graduate study is informally arranged through consultation with the head of the division in which the student's major work will be taken. A student is considered a candidate for the master's degree only upon completion of matriculation with the Graduate Council of the college.

Certain graduate courses, those numbered in the seven hundreds, are open to both graduate students and to senior undergraduates who obtain the permission of the instructor. Students who are in their final semester of undergraduate study and whose undergraduate schedule contains less than a full program may be admitted to a limited amount of study for graduate credit.

MATRICULATION FOR THE MASTER'S DEGREE

A graduate student who has completed six semester hours of resident work in the college may apply for matriculation for the master's degree. Matriculation forms are available in the Registrar's Office. The Graduate Council in consultation with the student's adviser, and the special department in which the student is studying, will act upon applications and will notify the student in writing whether or not he has been accepted as a candidate for the degree. A student will be matriculated in the same field or in a field related to the one in which he specialized as an undergraduate.

CREDIT REQUIREMENTS FOR THE MASTER'S DEGREE

A total of 32 semester hours of study is required for the master's degree in each of these curricula. In General Elementary Education the total is divided as follows: (a) 12 to 16 semester hours of courses, seminars, and workshops in professional education and (b) 16 to 20 semester hours of study in the liberal-cultural area. In the special fields of Health, Physical, and Recreation Education, the total program consists of the following: (a) 10 to 12 semester hours of study in the field of specialization, (b) 8 to 10 semester hours in a field related to that of specialization, and (c) 10 to 14 semester hours of study in the liberal-cultural area.

The college requires that each candidate for the master's degree meet the curricular requirements for the degree and also certification requirements in the field in which the degree is awarded.

In general, twenty-four of the thirty-two semester hours required for the master's degree must be taken on the campus at Cortland either in summer sessions or in on-campus extension courses. However, for students who completed their undergraduate work at Cortland, the total residence may be reduced to twenty semester hours by approval of the Graduate Council. Credit toward the master's degree will be accepted in transfer from other recognized colleges that award a graduate degree and provided the courses fit into the curricula offered at Cortland and meet the standards set by this college.

SCHOLARSHIP REQUIREMENTS AND STUDENT LOAD

Each candidate for the degree must complete 17 credit hours with "A" or "B" marks. Under no circumstance will the passing grade of "D" be counted for credit toward the master's degree.

Satisfactory evidence of superior teaching ability on the part of the student must be in the hands of the Graduate Council before a recommendation for the granting of the degree will be made.

The normal maximum load during the summer session is one semester hour for each week of session time. For the six weeks session, superior students, those with a B average, may petition the Graduate Council for permission to carry additional hours but in no case will more than eight hours be allowed during such a session. Petitions to carry extra work must be filed with the Graduate Council by noon of the first day of registration.

RESEARCH PROJECT OR THESIS

Any candidate who elects to pursue a particular investigation or field study may do so and substitute this for from two to six semester hours of the total requirement. Arrangement for this substitution must be made with the candidate's adviser, and the final report on the project will be examined and evaluated by the Graduate Council.

FEES AND EXPENSES

A fee of \$12.50 per credit hour is charged for both resident and extension work. Additional fees to cover expenses for laboratory supplies and for field trips will be collected in such courses where they are essential. Fees are payable at the time of enrollment.

A diploma charge is payable before the degree is granted.

TIME LIMITATION

Credit to be offered for the master's degree must, as a rule, be completed within six years from the date of matriculation. In special cases this period may be extended by action of the Graduate Council.

THE AWARD OF THE DEGREE

Upon completion of the requirements for the degree, the Graduate Council will consult with the special department concerned and recommend the candidate to the graduate faculty for the degree, Master of Science. The degree will be conferred at the following regular commencement exercises held by the college.

GRADUATE CURRICULA

The several curricula leading to the master's degree allow considerable latitude in choice of courses. This is done so that the needs and interests of teachers may be met. The program of study must fall within the framework of prescription as shown below. Each student's program shall be planned with counsel of his adviser and must finally be approved by the Graduate Council.

GENERAL ELEMENTARY EDUCATION

- | | |
|---------------------------------------|-------------------|
| 1. Courses in professional education | 12 to 16 Sem. Hr. |
| 2. Courses in liberal-cultural fields | 16 to 20 Sem. Hr. |

PHYSICAL EDUCATION

HEALTH EDUCATION

RECREATION EDUCATION

- | | |
|--|-------------------|
| 1. Courses in field of specialization | 10 to 12 Sem. Hr. |
| 2. Courses in field related to field of specialization | 8 to 10 Sem. Hr. |
| 3. Courses in liberal-cultural fields | 10 to 14 Sem. Hr. |

INTENSIVE TEACHERS TRAINING PROGRAM IN ELEMENTARY EDUCATION

- | | |
|---------------------------------------|-------------------|
| 1. Courses in professional education | 26 to 30 Sem. Hr. |
| 2. Courses in liberal-cultural fields | 2 to 6 Sem. Hr. |
- (Adaptations are made in terms of student's undergraduate background and certification requirement.)

EARLY CHILDHOOD EDUCATION

- | | |
|---------------------------------------|-------------------|
| 1. Courses in professional education | 12 to 16 Sem. Hr. |
| 2. Courses in liberal-cultural fields | 16 to 20 Sem. Hr. |
- (Courses in education must meet certification and college requirements in this field.)

ELEMENTARY SCHOOL PRINCIPALSHIP

ELEMENTARY SCHOOL SUPERVISION

- | | |
|---------------------------------------|-------------------|
| 1. Courses in professional education | 16 to 22 Sem. Hr. |
| 2. Courses in liberal-cultural fields | 10 to 16 Sem. Hr. |
- (Professional courses must meet state certification and college prescriptions.)

THE INTENSIVE TEACHER TRAINING PROGRAM

The Intensive Teacher Training Program for general col-

lege graduates provides, on the graduate level, such professional education as is needed to begin in a regular teaching position. The work scheduled for successive summers includes a study of child development, methods and materials of the elementary school curriculum and school organization. The program is so arranged that the State requirements for permanent certification to teach in the elementary schools of New York State are fully met. The professional requirements include 36 semester hours in the four areas as noted:

1. Observation and supervised student teaching in elementary schools—12 to 15 semester hours
2. Elementary school methods and materials—8 to 12 semester hours
3. Psychology for teachers and child development or child psychology—6 to 10 semester hours
4. History, principles, problems and/or philosophy of education—2 to 6 semester hours

Note: The 12 semester-hour requirement in student teaching may be waived in lieu of two years of successful teaching in the elementary school on an emergency certificate, leaving 24 semester hours of work in areas 2, 3, and 4 above.

PROGRAM FOR FIRST SUMMER

Education ITTP-1: Integrated Professional Study 8 hours

This integrated professional course has a special staff of teachers and consultants. The daily schedule includes work with children, conferences, community and field trips, lectures and library work.

The professional content of the course includes child study, developing programs and materials of teaching, and such study of school organization and community relationships as will orient a teacher in his first position and help him to grow with experience.

This first summer's work is designed primarily for college graduates who have not taught and who have not had professional courses in their undergraduate programs. The Intensive Training Program will utilize, however, any acceptable undergraduate professional courses which the student may have had. A teacher having a regular position is eligible for temporary certification after a satisfactory summer's work.

PROGRAM FOR SECOND AND THIRD SUMMERS

During the student's second and third summers of his Intensive Teacher Training Program he will, through the aid of an adviser, pursue such professional courses in the regular graduate program as will meet his individual needs and the requirements for permanent certification. Course work will

be adapted to the counseled needs of the student. The facilities of the college elementary school will be available for the I.T.T.P. student.

PROGRAM FOR FOURTH SUMMER

A fourth summer's work may be arranged to meet the requirements for the degree of Master of Science.

Early Childhood Education Program—Detailed

A specialization in Early Childhood Education prepares teachers for work with children from nursery school through the third grade inclusive. Certification in Early Childhood Education requires a minimum of 12-15 hours in practice teaching (waived for ITTP teachers); 6-10 credits in child study or educational psychology; 8-12 credits in appropriate methods and materials, and 2-6 credits in appropriate courses in principles, history, or philosophy of education or related areas—a minimum total of 24 semester hours besides practice teaching. The three summers of sequential work in Early Childhood Education for students taking the Intensive Teacher Training Program are designed to meet certification requirements and provide for the individual needs of inservice teachers. Any graduate may pursue ECE courses.

FIRST SUMMER ITTP IN ECE

The program for the first summer work in ECE for ITTP students includes 6-8 semester hours of integrated professional study as noted: (for inexperienced teachers in ECE)

- a) Child Study
- b) Teaching and participation
- c) School Organization and Administration for Teachers

SECOND SUMMER ITTP IN ECE

During the second summer, ITTP students may take 6-8 semester hours in the workshop in ECE, Ed. 801-AE, or 801-BE, or/and Child Study, Ed. 700-IE, and Ed. 810. One should elect work contributing to his teaching needs and counting toward certification requirements. Ed. 700-IE, or Ed. 810 may be taken in post-session. Regular graduates may take ECE courses.

THIRD SUMMER OF ITTP IN ECE

During the third summer, ITTP students majoring in ECE may take 6-8 semester hours in courses, 700-IE, Ed. 810, Ed. 805-AE, or 805-BE; or electives. Regular graduates may take ECE courses.

Note: Education courses numbers 718 to 726 are especially appropriate electives for Early Childhood Education majors, depending on the student's interests.

Elementary School Supervisor's Program—Detailed

The details of this curriculum, as shown below, lead to the degree Master of Science.

I. This program assumes as pre-requisites:

1. A bachelor's degree with certification in elementary school teaching, including a minimum of appropriate courses in:

	Semester Hours Range
a) Child Development, Educational Psychology, Child Study	6-10
b) Methods and Materials in the Elementary School	8-12
c) History, Principles, Problems, or Philosophy of Education	2- 6

2. A minimum of 3 years of teaching experience in the Elementary School before completing work for the master's degree.

II. Program of graduate courses, including 16 to 22 semester hours in approved courses in the following areas:

1. Required Areas

Ed. 700 Advanced Child Study, (or Educational Psychology, or Psychology of Behavior, or comparable courses)	2- 3
Ed. 703 Evaluation and Guidance in the Elementary School	2- 3
Ed. 812 Research in Elementary Education	2- 3
Ed. 814 Supervision A: Organization and Personnel of the Elementary School	3
Ed. 815 Supervision B: Instructional Program in the Elementary School	3

2. Electives in professional education 4-10
3. Electives in liberal-cultural areas 10-16

Elementary School Principal's Program

The following schedule of requirement leads to the degree Master of Science.

I. This program assumes as pre-requisites:

1. A bachelor's degree with certification in elementary school teaching, including a minimum of appropriate courses in:

	Semester Hours Range
a) Child Development, Educational Psychology, Child Study	6-10
b) Methods and Materials in the Elementary School	8-12
c) History, Principles, Problems, or Philosophy of Education	2- 6

2. A minimum of 3 years of teaching experience in the Elementary School before completing work for the master's degree.

II. Program of graduate courses, including 16 to 24 semester hours in approved courses in the following areas:

1. Required areas

Ed. 700 Advanced Child Study, (or Educational Psychology or Psychology of Behavior, or comparable courses)	2- 3
Ed. 703 Evaluation and Guidance in the Elementary School	2- 3
Ed. 812 Research in Elementary Education	2- 3
Ed. 816 Elementary School Principalship I: Organization and Personnel	3
Ed. 817 Elementary School Principalship II: Administration and Instructional Supervision	3

2. Electives in professional education ... 4-10
3. Electives in liberal-cultural areas 10-16

Special Institute in Elementary Education

This is a special two-week institute-conference which provides conference and study facilities for teachers, supervisors, and principals who wish to spend only a limited time in considering important and current problems and issues in elementary education.

The institute will be conducted by the regular staff augmented by approximately ten visiting lecturers and consultants. This provides for a wide range of topics which can be discussed with specialists in the field.

Details of the organization and procedures attendant to the institute are grouped below:

Time: The institute will be held from July 14 to 25, 9:00 to 2:50 o'clock daily, five days per week. Students may do one or two extra weeks of work and secure proportional credit. Schedule:

Lecture group meetings	9:00- 9:50
Interest group meetings	10:15-11:30
Forum discussions	1:00- 2:00
Personal conferences, films, library work, etc.	2:00- 2:50

College credit: Two semester hours of credit may be earned by either graduate or undergraduate students, or the institute may be attended as desired without credit: one or more daily sessions may be attended and participated in without credit. Those seeking credit will be expected to attend and participate in all programs, and a work program will be required with the assistance of an adviser.

Institute Fees:

Graduate tuition	\$25. for 2 Sem. Hr.
Undergraduate tuition	20. for 2 Sem. Hr.
Attendance without credit is the same as with credit	
Student Union Fee	2. for 2 Sem. Hrs., or (Required of all in regular attendance) 2 weeks attendance

Housing: Those who wish to reside in Cortland while attending the institute may secure aid in finding living quarters by writing to the Dean of Women.

Registration: The institute is open to all who are interested in the work of the elementary School. Work groups will be formed according to areas of interest, and with consultants for the various areas. Advanced registration is requested with notation of any special interest which the registrant wishes to have developed. Registration may be cancelled before July 14 if necessary. Fees must be paid on July 14 except single admission fees. Programs will be mailed in advance upon request. Registration and inquiries should be made to the Director of the Summer Session.

Summary of Classes Scheduled

Course No. and Title	Instructor	Cr. Hr.	Weeks	Time Scheduled
ART COURSES				
Art 201 Arts and Crafts	Harding	2	6	9:00-10:50
Art 505 Advanced Crafts	Harding	2	6	1:00- 2:50
Ed. 720 Sem. in Art in the Elem. School	Harding	2	6	12:00-12:50

Course No. and Title	Instructor	Cr. Hr.	Weeks	Time Scheduled
EDUCATION COURSES				
Ed. 201b Child and Curriculum				
a) Section A		4	8	8:00- 9:40
b) Section B		4	8	10:00-11:40
Ed. 302 Educational Org. & Adm. for Teachers	Coolidge	2	6	11:00-11:50
Ed. 401b Profession Sequence Sem.	Smith	3	8	9:00- 9:50
Ed. 402b Professional Sequence Sem.	Smith	3	8	10:00-11:00
Ed. 402b Professional Sequence Sem. (experienced teachers)	Smith	3	6	12:40 2:00
ITTP-I Integrated Professional Study		6-8	6	full time
a) Child Study		3	6	7:20- 8:55
b) Teaching and Participation	supervisors	4	6	9:00-12:00 and 1:00- 2:00
c) Educational Admin. and Teacher	Coolidge	1	6	M.W.F. 2:00- 3:00
Ed. 700-IE Child Study	Kuhn	3	6	7:40- 8:50
Ed. 700-I Child Study	Walter	3	6	7:40- 8:50
Ed. 700 Sem. in Advanced Child Study	Baisler	2	6	11:00-11:50
Ed. 701 Trends in Public Education	MacNeil	2	6	12:00-12:50
Ed. 703 Eval. and Guid. in Elem. Sch.	Walter	2	6	11:00-11:50
Ed. 703E Eval. and Guid. in Early Ch. Ed.		2-3	6	10:40-12:00
Ed. 718 Audio-Visual Aids		2	6	2:00- 2:50
Ed. 720 Sem. Art for Elem. Teach.	Harding	2	6	12:00-12:50
Ed. 721 Sem. Music for Elem. Teach.	English	2	6	1:00- 1:50
Ed. 722 Sem. Math. for Elem. Teach.	Sueltz	2	6	12:00-12:50
Ed. 723 Sem. Reading for Elem. Teach.	Fay	2	6	11:00-11:50
Ed. 725 Sem. Social Studies for Elem. Teachers	Abernethy	2	6	8:00- 8:50
Ed. 726 Sem. Science for Elem. Teach.	Clemens	2	6	2:00 and 3:00- 4:00 M.W.
Ed. 740 Elem. Sch. Meth., Materials, and Participation	supervisors	3-4	6	9:00-11:50 and 1:00- 1:50
Ed. 765 Curr. Const. in Elem. Sch.		2	6	2:00- 2:50
Ed. 770 Supv. of Student Teaching		3	6	10:40-12:00
Ed. 780-B Elem. Educ. Institute	Park and consultants	2	2	9:00-11:30 and 1:00- 2:50
Ed. 801-A Workshop in Elem. Ed. and 801-B	Park and staff	3-6	6	9:00-10:40 and 1:00- 1:50
Ed. 801-AE Workshop in Early and 801-BE Childhood Educ.	Kuhn	3-6	6	9:00-10:40 and 1:00- 1:50
Ed. 805-AE Sem. in Early Childhood and 805-BE Education		3-6	6	9:00-10:40 and Conf. hours
Ed. 810 Educ. Adminn. and the Teacher	Coolidge	2	6	11:00-11:50
Ed. 812 Educational Research	Walter	2	6	12:00-12:50
Ed. 815 Supv. B: Instructional Prog. Elem. School (June 30 - July 18)	Sehmann	3	6	10:40- 1:00

Course No. and Title	Instructor	Cr. Hr. Weeks		Time Scheduled
Ed. 816 Elem. Sch. Prin. I: Organ and Personnel (July 21 - Aug. 8)	Sehmann	3	6	10:40- 1:00
Ed. 840 Indv. Problems in Elem Education	advisers	1-4		arranged

Post Session in Elementary Education

Ed. 700, 700-I, 700-IE: Sem. in Child Development	Park	3	3	full time
Sci. 711 Conservation Education	Clemens	3	3	full time
Ed. 718 Audio-Visual Aids	Sehmann	2	2	full time
Ed. 810 Sch. Org. Adm. for Teachers	Coolidge	2	2	full time

ENGLISH COURSES

Eng. 112 Communication Skills	Hoth	3	6	11:00-12:20
Eng. 202A Elementary Acting	Adams	3	6	1:00- 2:20
Eng. 202C Radio Speech	Smith	3	6	1:00- 2:20
Eng. 221 American Lit. & Composition	Burd	3	8	9:00- 9:50
Eng. 221 American Lit. & Composition	Burd	3	8	1:00- 1:50
Eng. 301 Introduction to Literature	Thomas	3	6	11:00-12:20
Eng. 601 Speech Re-education	Smith	3	6	9:00-10:20
Eng. 603 American Literature	Kelly	3	6	1:00- 2:20
Eng. 612 Contemporary Novel	Hoth	3	8	10:00-10:50
Eng. 712 American English Grammar *	Hoth	2-3	6-8	1:00- 1:50
Eng. 750 Poetry Romantic Period	Thomas	2	6	2:00- 2:50
Eng. 751 Studies in Am. Literature	Kelly	3	6	7:40- 9:00
Eng. 763 Oral & Dramatic Presentation	Adams	3	6	9:00-10:30
Eng. 765 Utilization of Radio & Television in Schools	Rickett	2	6	8:00- 8:50
F. Lang. 701 Masterpieces of Euro- pean Literature I: Drama	Burd	3	6	10:30-11:50

* Given for 6 weeks for 2 credit hours and 8 weeks for 3 credit hours.

MUSIC COURSES

Music 101 Essentials of Music (June 1952 entrants)	Banse	2	8	1:00- 1:50
Music 102 Essentials of Music	Banse	2	8	11:00-11:50
Music 701 Music in History	Banse	2	6	10:00-10:50
Ed. 721 Sem. in Music in the Elementary School	English	2	6	1:00- 1:50
I.T.T.P. Music	English		6	in ITTP
Child & Curriculum Music	English		6	in Ed. 201-b

Health Education Courses

HP 201 Health Service in School	Allen	2	6	2:00- 2:50
HP 202 Safety Education	Poskanzer	2	6	8:00- 8:50
HP 203 Nutrition II	Childs	2	6	8:00- 8:50
HP 206 Community Health I	Poskanzer	2	6	2:00- 2:50
HE 208 Family & Child Care	Childs	2	6	1:00- 1:50
HP 303 Hist. & Prin. of Education	MacNeil	2	6	12:00-12:50
HP 306 Physical Inspection	physician	2	6	11:00-11:50
HP 308 Org. & Adm. of P. S. Educ.	MacNeil	2	6	9:00- 9:50

Course No. and Title	Instructor	Cr. Hr. Weeks		Time Scheduled
HP 407 Mental Health	Poskanzer	2	6	11:00-11:50
HE 409 H.E. Org. & Adm. Seminar		2	6	10:00-10:50
HE 609 H.E. Methods for Dental Hygienists		2	6	9:00- 9:50
HE 610 Org. & Adm. of Case Studies		2	6	1:00- 1:50
Ed. 701 Trends in P. S. Education	MacNeil	2	6	1:00- 1:50
HE 802 Seminar in Supervision	Allen	3	6	10:00-11:30
HE 803 Individual Problems in H.E.	Allen			

PHYSICAL EDUCATION COURSES

HP 204 Applied Anatomy	Howland	2	6	1:00- 1:50
HP 301 Atypical Child	Howland	2-3	6	9:00- 9:50
HP 306 Physical Inspection	physician	2	6	11:00-11:50
HP 405 Physiology of Exercise	Howland	2	6	10:00-10:50
HP 406 Tests & Measurements in P.E.	Moffett	2	6	8:00- 8:50
HP 517 Driver Education	Eckard	2	6	8:00- 8:50
PE 701 Activity Program Clinic (Demonstration)		2	6	10:00-11:50
RE 706 Trends in Recreation	Metcalf	2	6	3:00- 3:50
PE 721 Activity Program Clinics	Moffett		6	3:00- 5:15
PE 724 (2nd, 3rd, 4th weeks—football)	et. al.	2		3:00- 5:15
(5th & 6th weeks—baseball)		1		
PE 731 Dance as a Social Force (first 3 weeks)		2	6	3:00- 5:00
PE 732 Dance as a Creative Art (last three weeks)		2	6	3:00- 5:00
RE 801 Workshop in School—Community Recreation	Metcalf	3	6	8:30- 9:50
PE 802 Workshop in Supervision		2	6	8:00- 8:50
RE 803 Individual Problems	Metcalf			
PE 805 Seminar in Org. & Adm. of P. E.	Moench	3	6	1:30- 2:50
PE 811 Seminar in Directorshop (3rd and 4th weeks)	Moench et al	2	2	10:00-11:50 and 1:30- 2:50
M-4, W-3 Sec. & L. U. Games	Eckard	½	6	1:00- 1:50
M-6, W-6 Basic Swim	Eckard	½	6	10:00-10:50
MW-9 Elem. Games		½	6	3:00- 3:50
M-10, W-7 Stunts & Tumbling I	Eckard	½	6	11:00-11:50
M-15, W-13 Apparatus I	Eckard	½	6	12:00-12:50
W-15, M-30 Archery I		½	6	4:00- 4:50
M-25, W-17 Elementary Body Mechanics	Howland	½	6	2:00- 2:50
MW-35 Square & Country Dance		½	6	11:00-11:50
MW-36 Social Dance		½	6	9:00- 9:50
MW-42 Social Games & Mixers	Metcalf	½	6	4:00- 4:50
MW-43 Playground Activities	Metcalf	½	6	12:00-12:50

Post Session in Physical Education and Related Areas

RE 701 Outdoor Education in the School	Metcalf	2	2	full time
HE 702 Role of the Elem. Sch. Teacher in School H.E.	Allen	2	2	full time
PE 707 Phil. & Prin. of P.E.	Moffett	2	2	full time

SCIENCE COURSES

Sci. 102 Anatomy & Physiology I	Schick	3	6	8:00- 9:40
Sci. 103 & 203 Animal & Plant Biology		6	8	8:00-10:40

Course No. and Title	Instructor	Cr. Hr. Weeks		Time Scheduled
1st 4 weeks	Hall			
2nd 4 weeks	Bowers			
Sci. 201 Anatomy & Physiology II	Schick	3	6	1:00- 2:40
Sci. 203 Plant Biology	Hall	3	8	1:00- 3:00
Sci. 207 Physics I	Jordan	3	6	8:00- 9:40
Sci. 602 Genetics & Eugenics	Bowers	3	8	1:00- 1:50
Sci. 707 Descriptive Astronomy	Jordan	2	6	1:00- 1:50
Sci. 708 Science in Social World	Bowers	2	6	2:00- 2:50
Ed. 726 Science in the Elem. School	Clemens	2	6	2:00- 2:50
Sci. 802 Lab. & Field Studies in Sci.	Clemens	3	6	11:00-12:30
Sci. 713 Field Study in Conservation Education	Clemens	3		Post Session

SOCIAL STUDIES COURSES

S.S. 203 American Heritage	Carr	3	8	11:00-11:50
S.S. 203 American Heritage	Carr	3	8	1:00- 1:50
S.S. 301 Int. to Sociology	Kellogg	3	8	2:00- 2:50
S.S. 622 Marriage & The Family	Kellogg	3	8	10:00-10:50
S.S. 624 History of Am. Diplomacy I	Brown	2	6	9:00- 9:50
S.S. 628 The United Nations	Carr	2	6	9:00- 9:50
S.S. 702 Issues in Am. History	Brown	2	6	11:00-11:50
S.S. 719 Biography of Great Americans	Brown	2	6	1:00- 1:50
S.S. 722 The Org. of Society	Kellogg	2	6	8:00- 8:50

POST SESSION COURSES

In Elementary Education

	Cr.	Hr.
Ed. 700, 700-I, 700-IE: Seminar in Child Development (August 11 to August 27, 1951)	3	
Ed. 718: Audio-Visual Aids (August 11 to August 22, 1951)	2	
Ed. 810: School Organization & Administration for Teachers (August 11 to August 22, 1951)	2	

In Liberal-Cultural Areas

Science 711: Conservation Education (August 11 to August 27, 1951)	3
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In Physical Education and Related Areas

RE 701: Outdoor Education in the School (August 11 to August 22, 1951)	2
HE 702: Role of the Elementary School Teacher in School Health Education (August 11 to August 22, 1951)	2
PE 707: Philosophy and Principles of Physical Educa- tion (August 11 to August 22, 1951)	2